



Product Service

# Compliance Document

No. D 086470 0239 Rev. 00

**Holder of Certificate:** **Ginlong Technologies Co., Ltd.**

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PEOPLE'S REPUBLIC OF CHINA

**Product:**

**PV inverter**  
**Grid-connected PV Inverter**

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**Test report no.:**

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( Ming Gu )



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**Model(s):** S6-GC3P20K04-NV-ND-R, S6-GC3P25K04-NV-ND-R, S6-GC3P27.6K04-NV-ND-R, S6-GC3P30K04-NV-ND-R, S6-GC3P33K04-NV-ND-R, S6-GC3P36K04-NV-ND-R, S6-GC3P40K04-NV-ND-R, S6-GC3P23K03-LV-ND, S6-GC3P25K04-LV-ND, S6-GC3P30K04-LV-ND, S6-GC3P36K04-LV-ND, S6-GC3P37.5K04-LV-ND, S6-GC3P37.5K04-NV-ND, S6-GC3P40K04-NV-ND, S6-GC3P50K04-HV-ND, S6-GC3P50K04-NV-ND, S6-GC3P60K05-HV-ND, S6-GC3P60K05-NV-ND

## Parameters:

Model	S6-GC3P20K04-NV-ND-R	S6-GC3P25K04-NV-ND-R	S6-GC3P27.6K04-NV-ND-R
Max. input voltage d.c.	1100V	1100V	1100V
Mpvt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X40A	4X40A	4X40A
Isc PV (absolute maximum) d.c.	4X50A	4X50A	4X50A
Nominal grid voltage a.c.	3/N/PE 220/380V 3/N/PE 230/400V	3/N/PE 220/380V 3/N/PE 230/400V	3/N/PE 230/400V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	20000W	25000W	27600W
Max. (Rated) AC output active power	20000W	25000W	27600W
Max. (Rated) AC output apparent power	20000VA	25000VA	27600VA
Max. (Rated) continuous output current a.c.	30.3A/29.0A	38.0A/36.1A	40.0A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P30K04-NV-ND-R	S6-GC3P33K04-NV-ND-R	S6-GC3P36K04-NV-ND-R
Max. input voltage d.c.	1100V	1100V	1100V
Mpvt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X40A	4X40A	4X40A
Isc PV (absolute maximum) d.c.	4X50A	4X50A	4X50A
Nominal grid voltage a.c.	3/N/PE 220/380V 3/N/PE 230/400V	3/N/PE 220/380V 3/N/PE 230/400V	3/N/PE 220/380V 3/N/PE 230/400V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	30000W	33000W	36000W
Max. (Rated) AC output active power	30000W	33000W	36000W
Max. (Rated) AC output apparent power	30000VA	33000VA	36000VA
Max. (Rated) continuous output current a.c.	45.5A/43.5A	50.1A/47.6A	54.7A/52.0A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV)	II(PV)	II(PV)



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	III(MAINS)	III(MAINS)	III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P40K04-NV-ND-R	S6-GC3P23K03-LV-ND	S6-GC3P25K04-LV-ND
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X40A	3X40A	4X40A
Isc PV (absolute maximum) d.c.	4X50A	3X50A	4X50A
Nominal grid voltage a.c.	3/N/PE 220/380V 3/N/PE 230/400V	3/PE 220V 3/PE 230V	3/PE 220V 3/PE 230V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	40000W	23000W	25000W
Max. (Rated) AC output active power	40000W	23000W	25000W
Max. (Rated) AC output apparent power	40000VA	23000VA	25000VA
Max. (Rated) continuous output current a.c.	60.8A/57.7A	60.4A/57.7A	65.6A/62.8A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P30K04-LV-ND	S6-GC3P36K04-LV-ND	S6-GC3P37.5K04-LV-ND
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X40A	4X40A	4X40A
Isc PV (absolute maximum) d.c.	4X50A	4X50A	4X50A
Nominal grid voltage a.c.	3/PE 220V 3/PE 230V	3/PE 220V 3/PE 230V	3/PE 220V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	30000W	36000W	37500W
Max. (Rated) AC output active power	30000W	36000W	37500W
Max. (Rated) AC output apparent power	30000VA	36000VA	37500VA
Max. (Rated) continuous output current a.c.	78.7A/75.3A	94.5A/90.4A	98.4A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P37.5K04-NV-ND	S6-GC3P40K04-NV-ND	S6-GC3P50K04-HV-ND
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X40A	4X40A	4X40A
Isc PV (absolute maximum) d.c.	4X50A	4X50A	4X50A
Nominal grid voltage a.c.	3/N/PE 220/380V	3/N/PE 220/380V	3/PE 480V



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		3/N/PE 230/400V	
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	37500W	40000W	50000W
Max. (Rated) AC output active power	37500W	40000W	50000W
Max. (Rated) AC output apparent power	37500VA	40000VA	50000VA
Max. (Rated) continuous output current a.c.	57.0A	60.8A/57.7A	60.1A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P50K04-NV-ND	S6-GC3P60K05-HV-ND	S6-GC3P60K05-NV-ND
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X40A	5X40A	5X40A
Isc PV (absolute maximum) d.c.	4X50A	5X50A	5X50A
Nominal grid voltage a.c.	3/N/PE 220/380V 3/N/PE 230/400V	3/PE 480V	3/N/PE 220/380V 3/N/PE 230/400V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	50000W	60000W	60000W
Max. (Rated) AC output active power	50000W	60000W	60000W
Max. (Rated) AC output apparent power	50000VA	60000VA	60000VA
Max. (Rated) continuous output current a.c.	76.0A/72.2A	72.2A	91.2A/86.6A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

**Tested according to:**

- IEC 61000-6-1:2016
- IEC 61000-6-3:2020
- IEC 61000-3-2:2018/AMD1:2020
- IEC 61000-3-12:2011/AMD1:2021
- IEC 61000-3-3:2013/AMD2:2021
- IEC 61000-3-11:2017
- IEC 62920:2017/A1:2021